MISSISSIPPI STATE DEPARTMENT OF HEALTH

2020 CERTIFICATION

Consumer Confidence Report (CCR)

City of Moorhead

Public Water System Name

0670008

List PWS ID #s for all Community Water Systems included in this CCR

The Federal Safe Drinking Water Act (SDWA) requires each Community Public Water System (PWS) to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the PWS, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR.

CCR DISTRIBUTION *(Check all boxes that apply.)*

INDIRECT DELIVERY METHODS *(Attach copy of publication, water bill or other)*	DATE ISSUED
☑ Advertisement in local paper *(Attach copy of advertisement)*	24 June 2021
☐ On water bills *(Attach copy of bill)*	
☐ Email message *(Email the message to the address below)*	
☐ Other _____	
DIRECT DELIVERY METHOD *(Attach copy of publication, water bill or other)*	**DATE ISSUED**
☐ Distributed via U. S. Postal Mail	
☐ Distributed via E-Mail as a URL *(Provide Direct URL):* _____	
☐ Distributed via E-Mail as an attachment	
☐ Distributed via E-Mail as text within the body of email message	
☑ Published in local newspaper (attach copy of published CCR or proof of publication)	May 2021-present
☑ Posted in public places (attach list of locations) City Hall, Library, Post Office	May 2021-present
☐ Posted online at the following address *(Provide Direct URL):* _____	

CERTIFICATION

I hereby certify that the CCR has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the PWS officials by the MSDH, Bureau of Public Water Supply.

Robert Martin	City Manager	09/01/2021
Name	Title	Date

SUBMISSION OPTIONS (*Select one method ONLY*)

You must email, fax (not preferred), or mail a copy of the CCR and Certification to the MSDH.

Mail: (U.S. Postal Service)
MSDH, Bureau of Public Water Supply
P.O. Box 1700
Jackson, MS 39215

Email: water.reports@msdh.ms.gov

Fax: (601) 576-7800 (NOT PREFERRED)

CCR DEADLINE TO MSDH & CUSTOMERS: BY JULY 1, 2021

2020 Annual Drinking Water Quality Report
City of Moorhead
PWS ID#: 0670008
May 2021

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

If you have any questions about this report or concerning your water utility, please contact Robert Martin at 662.246.5461. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the second Wednesday of each month at 5:30 PM at the Moorhead City Hall, 801 Johnny Russell.

Our water source is from three wells drawing from the Meridian Upper Wilcox and Upper Wilcox Aquifers. The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells in the City of Moorhead have received lower susceptibility rankings to contamination.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1st to December 31st , 2020. In cases where monitoring wasn't required in 2020, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal"(MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) – The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in $10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.

TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2019*	.0061	.0054 - .0061	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits

13. Chromium	N	2019*	2.3	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20	.3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2019*	.219	.218 - .219	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	120000	110000 - 120000	PPB	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfection By-Products								
81. HAA5	N	2017*	9	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2017*	11.6	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2020	.7	0 – 1.4	ppm	0	MDRL = 4	Water additive used to control microbes

** Most recent sample. No sample required for 2020.*

As you can see by the table, our system had no violations. We have learned through our monitoring and testing that some contaminants have been detected, however, the EPA has determined that your water IS SAFE at these levels.

In 2020 our system received a Consumer Confidence Rule Violation for not submitting this report by the July 1st deadline.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

Significant Deficiencies
Monitoring and Reporting of Compliance Data Violations:
During a sanitary survey conducted on 4/13/2017, the Mississippi State Department of Health cited the following significant deficiency(s):
Well near source of Fecal Contamination
Corrective Actions: This system is enrolled in the MSDH Well Abandonment grant program. This well is on the list to be abandoned based on funding availability by 12/31/2021.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1.800.426.4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The City of Moorhead is proud to continue to offer a great product to each customer. Our water is health dept. tested each month. We work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

AFFIDAVIT OF PUBL

STATE OF MISSISSIPPI
COUNTY OF SUNFLOWER
CITY OF INDIANOLA:

Personally appeared before me, a Notary Public, i
Debbie S. Bethel, of The Er
published in said City, County and State, who upo
says: The notice, of which a copy is hereunto ann

was published in said newspaper 1 **weeks, a**

24 Day of June

____ Day of ____

____ Day of ____

____ Day of ____

____ Day of ____

Signed:

And I further certify that I have examined
above referred to, and find that the said notice ha

Subscribed and sworn to, before me this 25 da

Cost: $ 480.00

Brenda Thomas

Commission Expires
Jul 13, 2021
STATE OF MISSISSIPPI
SUNFLOWER COUNTY

GPC3916

PWS ID#: 0670006
May 2021

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

If you have any questions about this report or concerning your water utility, please contact Robert Martin at 662.246.5461. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the second Wednesday of each month at 5:30 PM at the Moorhead City Hall, 801 Johnny Russell.

Our water source is from three wells drawing from the Meridian Upper Wilcox and Upper Wilcox Aquifers. The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells in the City of Moorhead have received lower susceptibility rankings to contamination.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1st to December 31st, 2020. In cases where monitoring wasn't required in 2020, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity: microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

ENTERED

PUBLIC NOTICES

NOTICE OF
INTENTION TO DIVERT OR WITHDRAW FOR BENEFICIAL USE
THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI
Notice is hereby given that on the 29th day of APRIL, 2021, TACKETT FISH FARMS, 23939 COUNTY ROAD 520, SCHLATER MS 38952, has filed application(s) for permit(s) to divert or withdraw the public water of the State of Mississippi for beneficial use, from the Mississippi River Alluvial, for irrigation & fish culture purposes, subject to existing rights, the following amount (s) of water at the indicated location(s):
(the following information formatted as: Application Number; Permitted Acres; County; Location)

GW-02952 80 LEFLORE
NE ¼ of NE ¼ SEC 08 T 21N R 02W
GW-03423 93 LEFLORE
SE ¼ of SE ¼ SEC 32 T 20N R 02W
GW-06844 92 LEFLORE
NE ¼ of SE ¼ SEC 17 T 20N R 02W
GW-06847 79 LEFLORE
NE ¼ of NW ¼ SEC 19 T 20N R 02W
GW-06848 89 LEFLORE
SE ¼ of NW ¼ SEC 19 T 20N R02W
GW-06850 81 LEFLORE
NW ¼ of NW ¼ SEC 21 T 20 N R 02W
GW-09895 69 LEFLORE
NW ¼ of NW ¼ SEC 18 T 20N R 02W
GW-10595 98 LEFLORE
SE ¼ of SE ¼ SEC 21 T 20N R 01W
GW-10596 126 LEFLORE
NW ¼ of NE ¼ SEC 28 T 20N R 01W
GW-10597 190 LEFLORE
SW ¼ of NE ¼ SEC 28 T 20N R 01W
GW-10598 172 LEFLORE
SW ¼ of SE ¼ SEC 28 T 20N R 01W
GW-10599 93 LEFLORE
SE ¼ of SE ¼ SEC 33 T 20N R 01W
GW-10781 183 LEFLORE
NW ¼ of SE ¼ SEC 11 T 18N R 02W
GW-10804 161 LEFLORE
SE ¼ of NW ¼ SEC 02 T 18N R 02W
GW-11190 179 LEFLORE
NE ¼ of SW ¼ SEC 18 T 20N R 01W
GW-11526 161 LEFLORE
NE ¼ of NW ¼ SEC 11 T 18N R 02W
GW-11907 126 LEFLORE
SE ¼ of SE ¼ SEC 24 T 20N R 02W
GW-12061 107 LEFLORE
NE ¼ of NW ¼ SEC 19 T 20N R 01W
GW-12286 60 LEFLORE
SE ¼ of SE ¼ SEC 21 T 21N R 02W
GW-12289 73 LEFLORE
SE ¼ of NW ¼ SEC 28 T 21N R 02W
GW-12290 60 LEFLORE
NW ¼ of NW ¼ SEC 28 T 21N R 02W

GW-12291 20 LEFLORE
SE ¼ of SW ¼ SEC 07 T 21N R 02W
GW-12297 77 LEFLORE
NE ¼ of NE ¼ SEC 05 T 21N R 02W
GW-12298 82 LEFLORE
NE ¼ of SW ¼ SEC 05 T 21N R 02W
GW-12299 80 LEFLORE
SW ¼ of NE ¼ SEC 05 T 21N R 02W
GW-12301 91 LEFLORE
SW ¼ of NE ¼ SEC 17 T 21N R 02W
GW-12303 70 LEFLORE
SW ¼ of SE ¼ SEC 17 T 21N R 02W
GW-12304 83 LEFLORE
SW ¼ of NE ¼ SEC 19 T 21N R 02W
GW-12305 150 LEFLORE
SW ¼ of NW ¼ SEC 20 T 21N R 02W
GW-13215 153 LEFLORE
SE ¼ of SE ¼ SEC 33 T 21N R 01W
GW-13217 140 LEFLORE
NW ¼ of SW ¼ SEC 28 T 21N R 01W
GW-13920 163 LEFLORE
NW ¼ of NW ¼ SEC 28 T 20N R 02W
GW-13921 153 LEFLORE
SW ¼ of NW ¼ SEC 28 T 20N R 02W
GW-37253 83 LEFLORE
NW ¼ of NE ¼ SEC 09 T 19N R 01W
GW-37254 85 LEFLORE
NW ¼ of NW ¼ SEC 09 T 19N R 01W
GW-37500 160 LEFLORE
SW ¼ of NW ¼ SEC 02 T 18N R 02W
GW-38258 100 LEFLORE
SW ¼ of NE ¼ SEC 06 T 22N R 02W
GW-38500 64 LEFLORE
NW ¼ of NE ¼ SEC 05 T 19N R 01W
GW-38501 40 LEFLORE
NW ¼ of SE ¼ SEC 32 T 20N R 01W
GW-38502 29 LEFLORE
SW ¼ of NE ¼ SEC 05 T 19N R 01W
GW-38503 76 LEFLORE
SW ¼ of SE ¼ SEC 05 T 19N R 01
GW-38504 68 LEFLORE
NE ¼ of NE ¼ SEC 05 T 19N R 01W
GW-38505 83 LEFLORE
NE ¼ of SE ¼ SEC 32 T 20N R 01W
GW-38506 55 LEFLORE
NW ¼ of NE ¼ SEC 32 T 20N R 01W
GW-38507 98 LEFLORE
NW ¼ of SW ¼ SEC 32 T 20N R 01W
GW-38508 96 LEFLORE
NW ¼ of NW ¼ SEC 32 T 20N R 01W
GW-38520 120 LELFORE
NE ¼ of SE ¼ SEC 24 T 20N R 02W
GW-38521 60 LEFLORE
NW ¼ of SE ¼ SEC 08 T 20N R 02W
GW-38522 16 LEFLORE
NW ¼ of SE ¼ SEC 08 T 20N R 02W
GW-38523 40 LEFLORE
SE ¼ of NE ¼ SEC 08 T 20N R 02W
GW-38524 27 LEFLORE
SW ¼ of SW ¼ SEC 08 T 20N R 02W
GW-38525 70 LEFLORE
SW ¼ of NW ¼ SEC 08 T 20N R 02W
GW-38549 120 LEFLORE
SW ¼ of NE ¼ SEC 10 T 19N R 01W
GW-38550 140 LEFLORE
NW ¼ of SW ¼ SEC 05 T 20N R 02W
GW-38551 107 LELFORE
SW ¼ of SW ¼ SEC 05 T 20N R 02W
GW-38555 94 LEFLORE
SW ¼ of SW ¼ SEC 18 T 20N R 01W
GW-38567 100 LEFLORE
NW ¼ of SE ¼ SEC 18 T 20N R 01W
GW-38568 73 LEFLORE
SW ¼ of NE ¼ SEC 18 T 20N R 01W
GW-38612 220 LEFLORE
NE ¼ of SW ¼ SEC 03 T 19N R 01W
GW-38907 78 LEFLORE
NE ¼ of SW ¼ SEC 33 T 20N R 02W
GW-38908 66 LEFLORE
SW ¼ of NW ¼ SEC 30 T 20N R 02W
GW-38916 57 LEFLORE
SE ¼ of NW ¼ SEC 32 T 20N R 02W
GW-38917 13 LEFLORE
SE ¼ of NE ¼ SEC 32 T 20N R 02W
GW-38918 60 LEFLORE
SW ¼ of SE ¼ SEC 32 T 20N R 02W
GW-38919 42 LEFLORE
NW ¼ of SE ¼ SEC 32 T 20N R 02W
GW-40486 77 LEFLORE
SW ¼ of SW ¼ SEC 19 T 20N R 02W
GW-40488 140 LEFLORE
SW ¼ of SW ¼ SEC 17 T 21N R 02W
GW-40573 82 LELFORE
NW ¼ of SW ¼ SEC 18 T 20N R 02W
GW-40663 86 LEFLORE
NW ¼ of NW ¼ SEC 30 T 20N R 02W
GW-40857 75 LEFLORE
SW ¼ of NW ¼ SEC 21 T 20N R 02W
GW-41167 73 LEFLORE
SE ¼ of SW ¼ SEC 21 T 21N R 02W
GW-41272 54 LEFLORE
SW ¼ of SE ¼ SEC 20 T 20N R 02W
GW-41339 116 LELFORE
SE ¼ of NW ¼ SEC 06 T 20N R 01W
GW-41378 135 LEFLORE
NW ¼ of SE ¼ SEC 36 T 21N R 02W
GW-42602 90 LEFLORE
NE ¼ of NE ¼ SEC 06 T 20N R 02W
GW-45209 90 LEFLORE
NW ¼ of NE ¼ SEC 20 T 21N R 02W
GW-45378 105 LELFORE
SW1¼ of SE ¼ SEC 18 T 20 R 02W
GW-45413 112 LEFLORE
SW ¼ of SW ¼ SEC 32 T 20 N R 01W
GW-45430 90 LELFORE
NW ¼ of SW ¼ SEC 19 T 21N R 02W
GW-45431 93 LELFORE
NW ¼ of NE ¼ SEC 06 T 21N R 02W
GW-45432 150 LELFORE
NW ¼ of NE ¼ SEC T 21N R 02W
GW-45433 90 LELFORE
NE ¼ of NE ¼ SEC 18 T21N R 02W
GW-45287 61 LELFORE
NE ¼ of SE ¼ SEC 08 T 21N R 02W
GW-46428 57 LELFORE
NE ¼ of NW ¼ SEC 08 T 20 N R 02W
GW-46518 68 LELFORE
SE ¼ of NE ¼ SEC 21 T 21N R 02W

GW-48750 58 LELFORE
NE ¼ of NW ¼ SEC 33 T 20 N R 02W
GW-49134 73 LELFORE
NW ¼ of NE ¼ SEC 28 T 21N R 02W
GW-06434 49 S U N - FLOWER NW ¼ of NE ¼ SEC 08 T 20N R 03W
GW-08119 60 S U N - FLOWER SW ¼ of SW ¼ SEC 22 T 20N R 03W
GW-10546 80 S U N - FLOWER SE ¼ of SW ¼ SEC 24 T 20N R 03W
GW-10547 120 S U N - FLOWER SW ¼ of NE ¼ SEC 24 T 20N R 03W
GW-10645 65 S U N - FLOWER SW ¼ of SW ¼ SEC 24 T 20N R 03W
GW-10649 116 S U N - FLOWER SE ¼ of SW ¼ SEC T 20N R 03W
GW-10797 115 S U N - FLOWER SW ¼ of NW ¼ SEC 35 T 21N R 03W
GW-11056 63 S U N - FLOWER SE ¼ of NE ¼ SEC 13 T 19N R 03W
GW-11056 67 S U N - FLOWER NE ¼ of NE ¼ SEC 13 T 19N R 03W
GW-11058 50 S U N - FLOWER SW ¼ of NW ¼ SEC 13 T 19N R 03W
GW-11077 60 S U N - FLOWER NE ¼ of SE ¼ SEC 12 T 19N R 03W
GW-11078 73 S U N - FLOWER SE ¼ of SE ¼ SEC 12 T 19N R 03W
GW-12007 120 S U N - FLOWER NE ¼ of NE ¼ SEC 05 T 21N R 03W
GW-12080 80 S U N - FLOWER NE ¼ of SW ¼ SEC 12 T 19N R 03W
GW-12081 80 S U N - FLOWER SE ¼ of SW ¼ SEC 12 T 19N R 03W
GW-12267 80 S U N - FLOWER SW ¼ of NW ¼ SEC 33 T 21N R 03W
GW-12268 40 S U N - FLOWER NW ¼ of NW ¼ SEC 27 T 21N R 03W
GW-12269 50 S U N - FLOWER NW ¼ of SW ¼ SEC 22 T 21N R 03W
GW-12295 108 S U N - FLOWER NW ¼ of NW ¼ SEC 13 T 21N R 03W
GW-12300 64 S U N - FLOWER NE ¼ of NE ¼ SEC 17 T 21N R 02W
GW-12382 156 S U N - FLOWER NW ¼ of SE ¼ SEC 14 T 20N R 03W
GW-13485 80 S U N - FLOWER SE ¼ of NE ¼ SEC 09 T 20N R 03W
GW-38248 130 S U N - FLOWER NE ¼ of NW ¼ SEC 25 T 23N R 03W
GW-38250 196 S U N - FLOWER SE ¼ of NE SEC 26 T 23N R 03W
GW-38251 125 S U N - FLOWER NE ¼ of SW ¼ SEC 25 T 23N R 03W
GW-38352 90 S U N - FLOWER SW ¼ of SE ¼ SEC 25 T 23N R 03W
GW-38943 56 S U N - FLOWER NE ¼ of NE ¼ SEC 22 T 20N R 03W
GW-38950 111 S U N - FLOWER SW ¼ of NW ¼ SEC 22 T 20N R 03W
GW-38951 106 S U N - FLOWER SW ¼ of NE ¼ SEC 22 T 20N R 03W
GW-38953 108 S U N - FLOWER NW ¼ of NE ¼ SEC 23 T 20N R 03W

GW-38954 147
SUNFLOWER SW ¼ of NE ¼ SEC 24 T 20N R 03W
GW-38955 95
SUNFLOWER SE ¼ of NW ¼ SEC 24 T 20N R 03W
GW-38959 90
SUNFLOWER SE ¼ of SW ¼ SEC 32 T 21N R 03W
GW-40434 113
SUNFLOWER NE ¼ of NW ¼ SEC 13 T 21N R 03W
GW-40659 110
SUNFLOWER NW ¼ of SE ¼ SEC 32 T 21N R 03W
GW-40660 160
SUNFLOWER NW ¼ of NE ¼ SEC 15 T20N R 03W
GW-40661 59
SUNFLOWER SE ¼ of SE ¼ SEC 21 T 20N R 03W
GW-40662 71
SUNFLOWER NE ¼ of NE SEC 12 T 19N R 03W
GW-40665 74
SUNFLOWER SW ¼ of SW ¼ SEC 11 T 20N R 03W
GW-40815 72
SUNFLOWER SE ¼ of SE ¼ SEC 12 T 19N R 03W
GW-41085 77
SUNFLOWER SE ¼ of SW ¼ SEC 35 T 20 R 03W
GW-41169 95
SUNFLOWER NW ¼ of SW ¼ SEC 23 T 20N R 03W
GW-43251 40
SUNFLOWER NW ¼ of NE ¼ SEC 23 T 20N R 03W
GW-44651 160
SUNFLOWER NW ¼ of NW ¼ SEC 15 T 20N R 03W
GW-45320 52
SUNFLOWER NE ¼ of NE ¼ SEC 08 T 20N R 03W
GW-45383 165
SUNFLOWER NE ¼ of SW ¼ SEC 22 T 21N R 03
GW-45384 70
SUNFLOWER NW ¼ pf NW ¼ SEC 27 T 21N R 03W
GW-44385 157
SUNFLOWER NE ¼ of NE ¼ SEC 23 T 21 N R 03W
GW-45840 76
SUNFLOWER NE ¼ of SE ¼ SEC 08 T 20N R 03W
GW-46442 87
SUNFLOWER NW ¼ of NW ¼ SEC 24 T 20N R 03W
GW-49131 101
SUNFLOWER SE ¼ of SW ¼ SEC 35 T 21N R 03W
GW-49169 85
SUNFLOWER NE ¼ of SE ¼ SEC 12 T 21N R 03W
GW-13663 165
TALLAHATCHIE SW ¼ of NW ¼ SEC 30 T 23N R 02W
GW-38253 108
TALLAHATCHIE SW ¼ of SW ¼ SEC 30 T 23N R 02W
GW-38254 106
TALLAHATCHIE NW ¼ of SE ¼ SEC 31 T 23N R 02W
GW-38255 105
TALLAHATCHIE SE ¼ of NW ¼ SEC 31 T 23N R 02W
GW-38256 85
TALLAHATCHIE NE ¼ of SW ¼ SEC 31 T 23N R 02W
GW-38257 80
TALLAHATCHIE SE ¼ of SW ¼ SEC 31 T 23N R 02W
GW-38259 88
TALLAHATCHIE SW ¼ of NE ¼ SEC 30 T 23N R 02W
GW-38260 116
TALLAHATCHIE NW ¼ of SE ¼ SEC 30 T 23N R 02W
GW-41273 112
TALLAHATCHIE SW ¼ of NE ¼ SEC 31 T 23N R 02W

Any person, firm, association or corporation, deeming that the granting of the above application(s) will be truly detrimental to their rights to utilize the waters of said source, may protest in writing to the Permit Board of the State of Mississippi, c/o Chris Hawkins, PO Box 2309, Jackson, Mississippi 39225, setting forth all reasons why said application (s) should not be approved. If not protested, the permit(s) will be issued on or after ten days following publication date.
If protested, the application (s) will be taken for consideration by the Permit Board of the State of Mississippi in its offices at 515 East Amite Street, Jackson, Mississippi 39201, on, or after July 13, 2021, at which time all interested persons may appear and be heard by the Permit Board.
YMD Joint Water Management District
Anna M. Sullivan
Permit Data Specialist
It 06-24

2020 Annual Drinking Water Quality Report City of Moorhead
PWS ID#: 0670008
May 2021

We're pleased to present to you this yea s Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

If you have any questions about this report or concerning your water utility, please contact Robert Martin at 662.246.5461. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the second Wednesday of each month at 5:30 PM at the Moorhead City Hall, 601 Johnny Russell.

Our water source is from three wells drawing from the Meridian Upper Wilcox and Upper Wilcox Aquifers. The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identify potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells in the City of Moorhead have received lower susceptibility rankings to contamination.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that were detected during the period of January 1st to December 31st , 2020. In cases where monitoring wasn't required in 2020, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:
Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal"(MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in $10,000.

Parts per billion (ppb) or Micrograms per liter- one part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.

TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2019*	.0061	.0054 - .0061	ppm	2	2	Discharge of drilling wastes, discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019*	2.3	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20	.3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2019*	.219	.218 - .219	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20	1	0	ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
Sodium	N	2019*	120000	110000 - 120000	PPB	0	0	Road Salt; Water Treatment Chemicals; Water Softeners and Sewage Effluents
Disinfection By-Products								
81. HAA5	N	2017*	6	No Range	ppb	0	60	By-Product of drinking water disinfection
82. TTHM (Total Trihalomethane)	N	2017*	11.8	No Range	ppb	0	80	By-product of drinking water chlorination
Chlorine	N	2020	.7	0 - 1.4	ppm	0	MDRL = 4	Water additive used to control microbes

As you can see by the table, our system had no violations. We have learned through our monitoring and testing that some contaminants have been detected, however, the EPA has determined that your water IS SAFE at these levels.
In 2020 our system received a Consumer Confidence Rule Violation for not submitting this report by the July 1st deadline.
We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.
If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.
Significant Deficiencies
Monitoring and Reporting of Compliance Data Violations:
During a sanitary survey conducted on 4/13/2017, the Mississippi State Department of Health cited the following significant deficiency(s):
Well near source of Fecal Contamination
Corrective Actions: This system is enrolled in the MSDH Well Abandonment grant program. This well is on the list to be abandoned based on
funding availability by 12/31/2021.
All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection
Agency's Safe Drinking Water Hotline at 1.800.426.4791.
Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.
The City of Moorhead is proud to continue to offer a great product to each customer. Our water is health dept. tested each month. We work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.